

# King County DNRP Water Quality Index

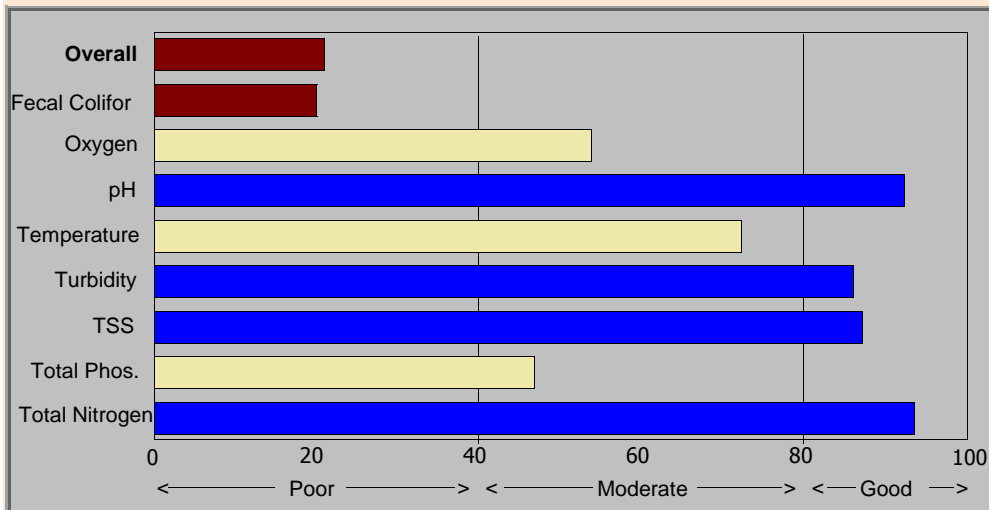
STATION **474** WATER YEAR **2014**

**GAUGE # 45A** **North Creek located on west side of creek north of Hwy.** **Overall Index 21**

King County has monitored water quality in North Creek at two locations. Station 0474 is located near the mouth of North Creek on the upstream side of the 522 bridge. Monitoring at station 0474 began in 1976 and continues today. The North Creek basin encompasses 19,000 acres and includes Silver Lake, Ruggs Lake, and Thomas Lake. The creek originates within the Everett Mall area and flows 12.6 miles through the City of Mill Creek before draining into the Sammamish River near Bothell. The rapidly urbanizing North Creek basin was already approximately 49 percent impervious surface area in 2002. The headwaters of North Creek were originally dominated by forested wetlands but are currently dominated by commercial and multi-family residential development. The creek is on the 2012 Washington Department of Ecology's 303(d) list for violation of water temperature and dissolved oxygen standards. Chinook, coho, kokanee, and sockeye have been consistently observed in North Creek.

## Annual Water Quality Index Scores

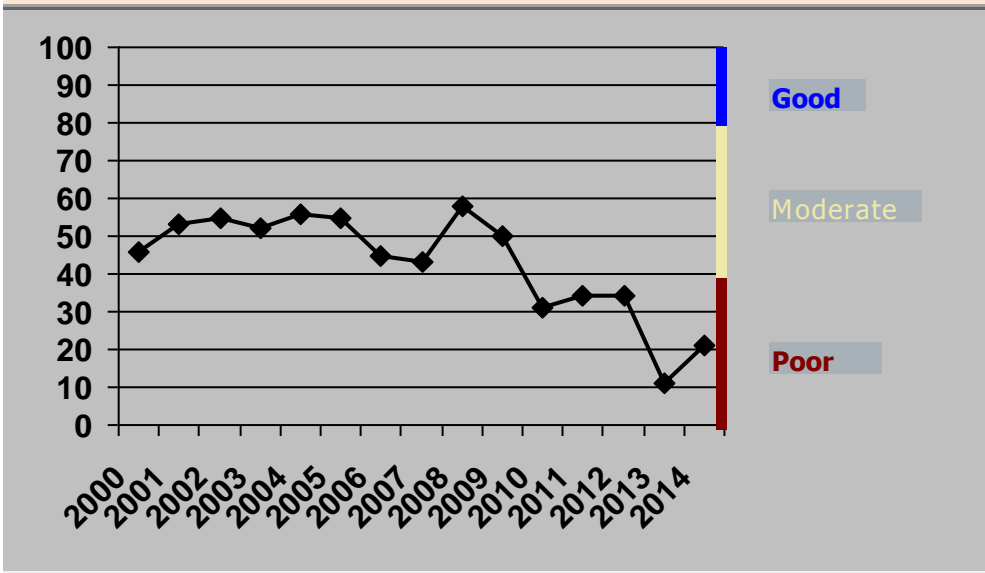
Water quality was POOR based on data collected 10/1/2013 to 9/30/2014.



## Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
68	49	42	60	67	36	75	47	42	29	1	32

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>

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